.ac oct 300 10000 50000k

.options method=gear   .options noopiter
.options plotwinsize=0
.options numdgt=7
;tran 0 {simtime} {dlytime} 100n last value used to be {timestep}
.four {Freq} 9 -1 V(Vin) V(Vout)

.param Freq=200k/1.024

.param Vin=1.54
.param Square=0
.param timestep=(simtime-dlytime)/FFT
.param dlytime=dlycyc/Freq*(1-Square)
.param dlycyc=3
.param simtime=numcyc/Freq+dlytime
.param FFT=2**16
.param numcyc=500
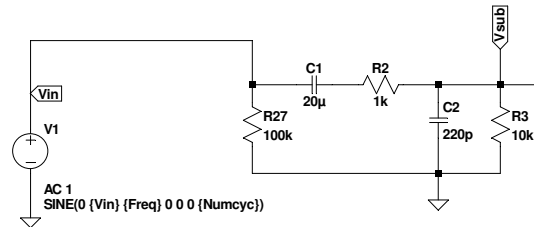
REASONABLE MOD 3

Standard 1% values. increased VAS current,
Added Baker clamp VAS diodes, Q17 current limit,
5210's are a lot faster. Boosted stabilization
Add C13 and C14 stable with 200K AC input.
@1K, .56 input (20Vp-p out, .000056% and -137 dB.
.0064% THD 1-9 20K. 60W
Same disatortion with only one output pair
.000092 @ 10K. .00012 at 20K. -136 SNR. no protection
R10 trimed for perfect current in legs, < 1mV DC output.

4.3mA   1.6mA   10.5mA   34.88 R19 14.8mA 125mA   V3
                                     68   36

R7 150
R13 1k   BC556B Q4
34.5   C4 100µ   R12 57.6   C8 470µ
BC556B Q3   Q11 2SC3503C
                          33.59   2SA1381C Q7   649m   Q14 MJL3281C Q15 MJL3281C
                          R6 10k   D1 1N4004C
R4 100   R5 100   R14 10k   R15 1k   C13 .05µ R1 100
                            648m Q8 2SC3503C   1.332   R18 .1 R33 .1
BC556B Q1 .646   BC556B Q2   FB   R9 10k   Vout   L1 2.3µ R31 10
Vin   C1 20µ R2 1k   Vsub   1.2m
V1   R27 100k C2 220p R3 10k   R8 532   R25 2k   C10 .1µ R21 .1 R30 .1 R32 10
AC 1   C3 470µ R16 356.5   C11 .1µ
SINE(0 {Vin} {Freq} 0 0 {Numcyc})   -1.312   C14 150p
                                  D3 1N4148C   C5 75p
                                  C6 68p
-33.8   -34.4   -33.4 Q10 2N5210C -34.4   Q9 2SC3503C   D2 1N4004C 1N4007
Q6 2N5210   Q5 2N5210C   Q17 2N5210C   MJL1302C MJL1302C
R10 79   R11 100   R17 4.64k   R22 22.1   -643m   Q13 2SA1381C Q16   Q12
                              C9 470µ   R24 68
                                        V2 36